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### INSECT, PLANT DISEASE, & WEED SCIENCE NEWS [No. 87-9] [May 15, 1987]

Alex Martin

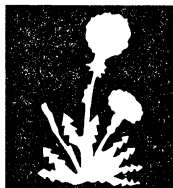
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# INSECT PLANT DISEASE WEED SCIENCE

## NEWS

DEPARTMENT OF AGRONOMY (WEED SCIENCE) UNIVERSITY OF NEBRASKA-LINCOLN,  
EAST CAMPUS 68583-0915 PHONE 472-1555

87-9  
May 15, 1987

### In This Issue:

- Postemergence Weed Control in Corn
- Algae and Moss Control in Water Tanks
- Summer Hours
- Combination Herbicides--What's In A Name?

### Postemergence Weed Control in Corn

Some of our early planted corn is ready for postemergence weed control. Suggestions for effective control include the following:

When using atrazine with oil, annual grasses are best controlled when less than 1 1/2" tall. Bladex 80W or 90DF can also be used postemergence but omit the oil. Tandem in combination with atrazine or Bladex increases postemergence activity. Bladex should be used when corn is 4" or less. Apply Marksman when corn is under 5".

Buctril or Brominal alone or in combination with atrazine should be applied when most broadleaf weeds are under 6". Laddok should also be used before broadleaf weeds reach 6". Use drop nozzles when applying Banvel or 2,4-D to taller corn. Observe all label cautions on crop heights, rates, and safety to nearby crops, gardens, and windbreaks.

**Tough** - a new postemergence herbicide from Terra just received an Experimental Use Permit. Tough is to be used with atrazine or Bladex for control of emerged grass and broadleaf weeds.

### Algae and Moss Control in Water Tanks

With warmer weather, moss and algae will again make their appearance in plastic nurse tanks used to hold water supplies for spraying operations. Control is simple and inexpensive.

The recommended control is copper sulfate. A convenient way to measure copper sulfate is to dissolve 1 oz in a pint of water using a glass jar. Add 7.5 tablespoons of the prepared copper sulfate solution to each 1000 gallons of water. Mix thoroughly. This concentration can be used for moss and algae control in livestock tanks as well as water holding tanks.

### Summer Hours

Our summer office hours, when we are not in the field, are 7:30 a.m. to 4:30 p.m. until mid August.



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The Cooperative Extension Service provides information and educational programs to all people without regard to race, color, national origin, sex or handicap.



## Combination Herbicides--What's In A Name?

1987 finds many prepackaged herbicide combinations on the market. Evaluating weed control performance, crop safety, and carryover potential of combinations compared with tank mixtures is dependent on the amount of each component in the combination. Sometimes it is difficult to tell how much atrazine is contained in 3 qt of Bicep or 3 qt of Extrazine. The following table lists the equivalent amount of each component contained in a gallon or pound of some combination products. The totals don't always add up to 1 gallon or 1 pound of herbicide because the combination products may be more or less concentrated than the individual herbicides.

<u>Trade Name</u>	<u>Equivalent Amount of Each Component Contained in 1 gal or lb of Product</u>	<u>Manufacturer</u>
Atrabute+	5.7 pt Sutan+ + 2.4 pt atrazine	Griffin
Atrabute II	5.1 pt Sutan+ + 3.4 pt atrazine	Griffin
Betamix	4 qt Betanal + 4 qt Betanex	Nor-Am
Bicep 6E	3.3 pt Dual + 5.3 pt atrazine	Ciba-Geigy
Brominal 3+3	3 qt Brominal + 3 qt MCPA	Union Carbide
Bronate	2 qt Bucril + 2 qt MCPA	Rhone-Poulenc
Bronco	2.6 qt Lasso + 1.4 qt Roundup	Monsanto
Bucril + atrazine	2.0 qt Bucril + 2.0 qt atrazine 4L	Rhone-Poulenc
Canopy	0.86 lb Lexone DF + 0.43 lb Classic	DuPont
Commence	3.0 qt Treflan + 4.5 pt Command	Elanco/FMC
Conquest	3 qt Bladex + 1.0 qt atrazine	DuPont
Crossbow	1 qt Garlon + 2 qt 2,4-D	Dow
Extrazine	2.67 qt Bladex + 1.33 qt atrazine	DuPont
Gemini	1.1 lb Lorox DF + 0.18 lb Classic	DuPont
Laddok	1.66 qt Basagran + 1.66 qt atrazine	BASF
Landmaster	1.2 qt Roundup + 1.6 qt 2,4-D	Monsanto
Lasso + atrazine	2.5 qt Lasso + 1.5 qt atrazine	Monsanto
Lorox Plus	1.1 lb Lorox DF + 0.12 lb Classic	DuPont
Marksman	1.1 qt Banvel + 2.1 qt atrazine	Sandoz
Matrix	0.67 lb Harmony + 0.33 lb Express	DuPont
Milocep	3.33 pt Milogard + 3.33 pt Dual	Ciba-Geigy
Preview	0.90 lb Lexone DF + 0.27 lb Classic	DuPont
Prozine	0.35 qt Prowl + 0.35 qt atrazine	Am. Cyanamid
Ramrod & atrazine	3 qt Ramrod + 1 qt atrazine	Monsanto
Rescue	4 qt Alanap-L + 4 oz 2,4-D	Uniroyal
Rhino	5.1 pt Sutan+ + 2.4 pt atrazine	Griffin
Salute	2.7 qt trifluralin + 1.3 qt Sencor	Mobay
Sutazine	5.7 pt Sutan+ + 2.4 pt atrazine	Stauffer
Tordon 212	2 qt Tordon 22K + 2 qt 2,4-D	Dow
Trimec Super Brush Killer	4 parts 2,4-D + 4 parts 2,4-DP + 1 part Banvel	PBI-Gordon
Trimec Turf Herbicide	2,4-D, MCPP, Dicamba in 9:3:1 ratio	PBI-Gordon
Turbo	6.6 pt Dual + 1.45 qt Sencor	Mobay
Turflon D	2.0 qt 2,4-D ester + 1 qt Garlon D	Dow

*Alex R Martin*

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Extension Weed Specialist